SUPPLEMENTAL INFORMATION: BOILERS AND LIQUID HEATERS

Submit the following information and complete the attached form with your application for an Authority to Construct.

1. EQUIPMENT LOCATION DRAWING - The drawing or sketch submitted must show the following:
   a. The property involved, with outlines of all buildings. Identify property lines plainly.
   b. Location and identification of the boiler or liquid heater on the property. Location of stack or vent.

2. ESTIMATE OF EMISSIONS
   a. Provide estimates of pollutant concentrations and mass emission rates.
   b. State any combustion modifications or control devices employed to reduce NOx emissions. State estimated reduction.
   c. Best Available Control Technology (BACT) is required if pollutant daily emissions are over:

       | Pollutant                  | Rate (lb/day) |
       |----------------------------|---------------|
       | Particulate Matter (PM$_{10}$) | 80            |
       | Nitrogen Oxides            | 25            |
       | Sulfur Oxides              | 80            |
       | Reactive Organic Compounds  | 25            |
       | Carbon Monoxide            | 500           |

3. DRAWING OF BOILER OR HEATER - Supply a drawing, dimensioned and to scale, showing the following:
   a. Overall size and shape of the unit.
   b. Fuel type.
   c. Fuel consumption estimate.
   d. Submit the manufacturers catalog or specifications for the equipment.

4. ADDITIONAL INFORMATION
   a. Complete page 2.

After an Authority to Construct is granted for any equipment, deviations from the approved plans are not permissible without first securing additional approval for the changes from the Air Pollution Control Officer.

Further information or clarification concerning permits can be obtained by calling (530) 332-9400.
BOILER AND HEATER SUMMARY

1. Company Name: ________________________________

2. Boiler Manufacturer: ________________________________

   Model Number: ____________________________

   Serial Number: ____________________________

3. Boiler Rating: ____________ BTU/hour input

4. Use: ☐ steam at ___ psig ☐ hot water ☐ space heating ☐ industrial process

5. Fuel Type:

   Gas: ☐ natural ☐ LPG

   ☐ process _____ H2S content (gr/100 cuft) _____ Heat Content (BTU/cuft)

   Oil: ☐ kerosene ☐ diesel: ☐ No. 2 ☐ No. 5 ☐ No. 6

   Sulfur content: ______ % by weight

   Nitrogen content (if No. 6): ______ % by weight

6. Fuel Usage: (give average values of high/low burn)

   Natural Gas Fuel Oil

   ________ cuft/hr ________ gal/hr

   ________ cuft/dy ________ gal/day

   ________ cuft/yr ________ gal/yr

7. Operating Schedule: ________ hours/day

   (give average times)

   ________ hours/week

   ________ hours/year